The references now cited are the following:

## US PATENT DOCUMENTS

| | DOCUMENT NUMBER Number-Kind Code (if known) | DATE | NAME | CLASS/ SUBCLASS | FILING DATE |
|---|---|---|---|---|---|
| A1 | 4,638,505 | 01/20/1987 | Polk, et al. | | |
| A2 | 5,581,626 | 12/03/1996 | Palmer | | |
| A3 | 6,031,920 | 02/29/2000 | Wiener | | |

## FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER Number-Kind Code (if known) | DATE | COUNTRY | CLASS/ SUBCLASS | TRANSLATION YES OR NO |
|---|---|---|---|---|---|
| A4 | EP 1 088 298 B1 | 11/12/2003 | EPO | | YES |

## OTHER ART REFERENCES

| | |
|---|---|
| A5 | ALLISON, Roy F., "The Influence of Room Boundaries on Loudspeaker Power Output", Journal of the Audio Engineering Society, June 1974, Vol. 22, No. 5, pp. 314-320. |
| A6 | ALLISON, Roy F., "The Sound Field in Home Listening Rooms.II" Audio Engineering Society, 52nd Convention Oct. 31 – Nov. 3, 1975, AES preprint 1081 (L-2), 15 pages. |
| A7 | ASANO, Futoshi; SWANSON, David C., "Sound Equalization in Enclosures using Modal Reconstruction", J. Acoust. Soc. Am, Oct. 1995, 98 (4), pp. 2062-2069. |
| A8 | ASANO, Futoshi; SUZUKI, Yoiti; and SWANSON, David C., "A Method of Optimizing Source Configuration in Active Control Systems Using Gram-Schmidt Orthogonalization," Electrotechnical Laboratory, 1-1-4 Umezono Tsukuba 305 Japan, asano@etl.go.jp, R.I.E.C. Tohoku Univ., A.R.L. Pennsylvania State University, 4 pages. |
| A9 | BALLAGH, K.O., "Optimum Loudspeaker Placement near Reflecting Planes", J. Audio. Eng. Soc., Dec. 1983, Vol. 31, No. 12, pp. 931-935. |
| A10 | BENJAMIN, Eric and GANNON, Benjamin, "Effect of Room Acoustics on Subwoofer Performance and Level Setting," Journal of the Audio Engineering Society, 109th Convention, Sept. 22-25, 2000, Los Angeles, California, AES preprint 5232, 36 pages. |
| A11 | BERKOVITZ, Robert, "Digital Equalization of Audio Signals," Digital Audio, pp. 226-238. |
| A12 | BHARTIKAR, Sunil; KYRIAKAKIS, Chris, "New Factors in Room Equalization Using a Fuzzy Logic Approach," Journal of the Audio Engineering Society, Audio Engineering Society Convention Paper 5450, 111th Convention, Sept. 21-24, 2001, New York, New York, pp. 1-10. |
| A13 | BORWICK, John (ed.), Loudspeaker and Headphone Handbook, Butterworth & Co. (Publishers) Ltd., 1988, ch. 7, pp. 264-318 (total 57 pages). |
| A14 | CARA (Computer Aided Room Acoustics), ELAC Technische Software GmbH, Rendsburger Landstrasse 215, D-24113 Kiel, Germany, http://www.cara.de/ENU/index.html, 1 page. |
| A15 | D'ANTONIO, Peter D., COX, Trevor J., "ROOM OPTIMIZER: A Computer Program to Optimize the Placement of Listener, Loudspeakers, Acoustical Surface Treatment and Room Dimensions in Critical Listening Rooms," RPG Diffuser Systems, Inc., pp. 45-61. |
| A16 | ELLIOTT, S.J., NELSON, P.A., "Multiple-Point Equalization in a Room Using Adaptive Digital Filters", Journal of the Audio Engineering Society, Nov. 1989, Vol. 37, No. 11, pp. 899-907. |
| A17 | ELLIOTT, S.J.; BHATIA, L.P.; DEGHAN, F.S.; FU, A.H.; STEWART, M.S.; WILSON, D.W.;, "Practical Implementation of Low-Frequency Equalization Using Adaptive Digital Filters," Journal of the Audio Engineering Society, December 1994, Vol. 42, No. 12, pp. 988-998. |
| A18 | FLIKKEMA, Paul G., "An Algebraic Theory of 3D Sound Synthesis with Loudspeakers," AES 22nd International Conference on Virtual, Synthetic and Entertainment Audio, pp. 1-4. |

G.M.

| | |
|---|---|
| A19 | GRIESINGER, David, "Multichannel Sound Systems and Their Interaction with the Room," AES 15th International Conference, pp. 159-173. |
| A20 | GROH, A.R., "High Fidelity Sound System Equalization by Analysis of Standing Waves", Journal of the Audio Engineering Society, December, 1974, Vol. 22, No. 10, pp. 795-799. |
| A21 | HORBACH, Dr.-Ing. Ulrich; CORTEEL, Etienne, "Array Loudspeaker System for Virtual Sound Synthesis," Patent Application, 10 pages. |
| A22 | HORBACH, Ulrich, KARAMUSTAFAOGLU, Attila, "Numerical Simulation of Wave Fields Created by Loudspeaker Arrays," Journal of the Audio Engineering Society, AES preprint 5021 (H-2), 107th Convention, Sept. 24-27, 1999, New York, 17 pages. |
| A23 | HORST, R.; Thoai, N.; PARDALOS, Panos M., THOAI Nguyen V., "Introduction to Global Optimization", 2nd Edition, 2000, Kluwer Academic Publishers. |
| A24 | JACOBSEN, Oluf, "Some Aspects of the Self and Mutual Radiation Impedance Concepts with Respect to Loudspeakers", Journal of the Audio Engineering Society, March 1976, Vol. 24, No. 2, pp. 82-92. |
| A25 | KIRKEBY Ole; NELSON, PHILIP A.; HAMADA, Hareo; ORDUNA-BUSTAMANTE, Felipe, "Fast Deconvolution of Multi-Channel Systems using Regularization," 1998 IEEE, 1063-6676/98, pp. 189-195. |
| A26 | KLEINER, Mendel; LAHTI, Hans, "Computer Prediction of Low Frequency SPL Variations in Rooms as a function of Loudspeaker Placement," Journal of the Audio Engineering Society, AES preprint 3577 (G2-7), 94th Convention, March 16-19, 1993, Berlin, 16 pages. |
| A27 | KORST-FAGUNDES, Bruno, "Acoustical Equalization at Multiple Listening Positions", Selected Portions, UMI Dissertation Services, Degree Date: 1996, 26 pages. |
| A28 | MORSE, P.M., Vibration and Sound, 2nd. Edition, McGraw Hill, NY, 1948, 25 pages. |
| A29 | MORSE, P.M., and INGARD, K.U., Theoretical Acoustics, 1968, p. 576-599. |
| A30 | MOURJOPOULOS, John H., "Digital Equalisation of Room Acoustics," Journal of the Audio Engineering Society, 92nd Convention, AES Preprint 3288, March 24-27, Vienna, 1992, 32 pages. |
| A31 | MUNSHI, Anees Saeed, "Multi-Loudspeaker Multi-Point Room Equalization," Thesis (M.A.Sc.), University of Toronto, 1990, ISBN 0-315-56734-1, 103 pages. |
| A32 | NEELY, Stephen T., Allen Jont B., "Invertibility of a room impulse response," J. Acoust. Soc. Am 66 (1), July 1979, 5 pages. |
| A33 | OLIVE, Sean E.; SCHUCK, Peter L.; SALLY, Sharon L.; BONNEVILLE, Mark E.; "The Effects of Loudspeaker Placement on Listener's Preference Ratings," J. Audio Eng. Soc., September 1994, Vol. 42, No. 9, pp. 651-669. |
| A34 | OPPENHEIM, Alan V., SCHAFER, Ronald W., STOCKHAM, Thomas G., Jr., "Nonlinear Filtering of Multiplied and Convolved Signals", IEEE Transactions on Audio and Electroacoustics, Sept. 1968, Vol. AU-16, No. 3, pp. 437-466. |
| A35 | OPPENHEIM, Alan V.; SCHAFER, Ronald W.; BUCK, John R., Discrete Signal Processing, 2nd Edition, 1999, Prentice Hall, 4 pages. |
| A36 | PEDERSEN, Jan A.; HERMANSEN, Kjeld; and RUBAK, Per, "The Distribution of the Low Frequency Sound Field and its Relation to Room Equalization", Journal of the Audio Engineering Society, 96th Convention, AES preprint 3852 (P12.5), February 26-March 1, 1994, Amsterdam, 33 pages. |
| A37 | SANTILLIN, Arturo Orozco, "Experimental Low-Frequency Sound Equalization in an Extended Region of An Enclosure Using Adaptive Filters," Journal of the Audio Engineering Society, AES preprint 4755 (P8-4), 104th Convention, May 16-19, 1998, Amsterdam, 9 pages. |
| A38 | WALKER, R., "Low-Frequency Room Responses: Part 2 – Calculation Methods and Experimental Results," BBC Research Dept. Report BBD RD 1992/9, 1992, 21 pages. |
| A39 | WATERHOUSE, Richard V. "Output of a Sound Source in a Reverberation Chamber and Other Reflecting Environments," The Journal of the Acoustical Society of America, Vol. 30, No. 1, pp. 4-13. |
| A40 | WELTI, Todd, "How Many Subwoofers are Enough" Journal of the Audio Engineering Society, Audio Engineering Society Convention Paper, 112th Convention May 10-13, 2002, Munich Germany, pp. 1-15. |

| | | |
|---|---|---|
| G.M. | A41 | WELTI, Todd, "Subwoofers: Optimum Number and Locations," 30 pages. |
| G.M. | A42 | ZACHAROV, Nick; BECH, Soren; MEARES, David, "The Use of Subwoofers in the Context of Surround Sound Program Reproduction," J. Audio Eng. Soc., April 1998, Vol. 46, No. 4, pp. 276-287. |

In accordance with 37 C.F.R. § 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925. A duplicate copy of this document is enclosed.

Applicant(s) respectfully request that the listed documents be made of record in the present case.

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